# Response Factor Report GC/MS Ins

Method Path : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\
Method File : 8270-SIM-BE062018.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jun 20 15:45:14 2018
Response Via : Initial Calibration

Calibration Files
0.1 =BE096827.D 0.2 =BE096828.D 0.4 =BE096829.D
0.8 =BE096833.D 1.6 =BE096831.D 3.2 =BE096832.D

| | | Compound | 0.1 | 0.2 | 0.4 | 0.8 | 1.6 | 3.2 | Avg | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|
| 1) | I | 1,4-Dichlorobenzene-d | ---------- | ISTD | ---------- | | | | | |
| 2) | | 1,4-Dioxane | 0.571 | 0.600 | 0.624 | 0.584 | 0.603 | 0.614 | 0.599 | 3.22 |
| 3) | | n-Nitrosodimethyl | 0.483 | 0.618 | 0.611 | 0.660 | 0.701 | 0.737 | 0.635 | 14.02 |
| 4) | S | 2-Fluorophenol | 0.918 | 0.851 | 0.828 | 0.830 | 0.942 | 0.994 | 0.894 | 7.61 |
| 5) | S | Phenol-d6 | 1.249 | 1.262 | 1.228 | 1.252 | 1.438 | 1.572 | 1.334 | 10.49 |
| 6) | | bis(2-Chloroethyl | 1.394 | 1.510 | 1.413 | 1.379 | 1.537 | 1.541 | 1.462 | 5.14 |
| 7) | I | Naphthalene-d8 | ---------- | ISTD | ---------- | | | | | |
| 8) | S | Nitrobenzene-d5 | 0.226 | 0.239 | 0.225 | 0.230 | 0.262 | 0.272 | 0.242 | 8.25 |
| 9) | | Naphthalene | 3.580 | 3.739 | 3.598 | 3.349 | 3.763 | 3.749 | 3.630 | 4.38 |
| 10) | | Hexachlorobutadie | 0.139 | 0.168 | 0.150 | 0.139 | 0.157 | 0.155 | 0.151 | 7.30 |
| 11) | SURR | 2-Methylnaphthale | 0.541 | 0.581 | 0.574 | 0.536 | 0.609 | 0.613 | 0.576 | 5.64 |
| 12) | | 2-Methylnaphthale | 0.563 | 0.607 | 0.596 | 0.564 | 0.637 | 0.645 | 0.602 | 5.80 |
| 13) | I | Acenaphthene-d10 | ---------- | ISTD | ---------- | | | | | |
| 14) | S | 2,4,6-Tribromophe | 0.074 | 0.079 | 0.081 | 0.087 | 0.113 | 0.138 | 0.095 | 26.25 |
| 15) | S | 2-Fluorobiphenyl | 1.446 | 1.521 | 1.484 | 1.362 | 1.490 | 1.479 | 1.464 | 3.79 |
| 16) | | Acenaphthylene | 1.589 | 1.686 | 1.689 | 1.614 | 1.864 | 1.965 | 1.734 | 8.55 |
| 17) | | Acenaphthene | 1.069 | 1.169 | 1.160 | 1.067 | 1.188 | 1.225 | 1.147 | 5.66 |
| 18) | | Fluorene | 1.264 | 1.341 | 1.312 | 1.240 | 1.445 | 1.482 | 1.348 | 7.22 |
| 19) | I | Phenanthrene-d10 | ---------- | ISTD | ---------- | | | | | |
| 20) | | 4-Bromophenyl-phe | 0.164 | 0.177 | 0.179 | 0.166 | 0.196 | 0.201 | 0.180 | 8.41 |
| 21) | | Hexachlorobenzene | 0.197 | 0.211 | 0.212 | 0.182 | 0.216 | 0.216 | 0.206 | 6.61 |
| 22) | | Pentachlorophenol | 0.026 | 0.028 | 0.029 | 0.034 | 0.046 | 0.062 | 0.038 | 37.32 |
| 23) | | Phenanthrene | 0.947 | 0.968 | 0.978 | 0.890 | 1.043 | 1.074 | 0.983 | 6.74 |
| 24) | | Anthracene | 0.703 | 0.751 | 0.775 | 0.758 | 0.915 | 0.985 | 0.815 | 13.47 |
| 25) | SURR | Fluoranthene-d10 | 3.050 | 3.218 | 3.367 | 3.178 | 3.974 | 4.339 | 3.521 | 14.64 |
| 26) | | Fluoranthene | 0.866 | 0.938 | 1.007 | 0.956 | 1.204 | | 0.994 | 12.85 |
| 27) | I | Chrysene-d12 | ---------- | ISTD | ---------- | | | | | |
| 28) | | Pyrene | 1.173 | 1.207 | 1.137 | 1.074 | 1.193 | 1.159 | 1.157 | 4.13 |
| 29) | S | Terphenyl-d14 | 0.770 | 0.804 | 0.757 | 0.727 | 0.799 | 0.776 | 0.772 | 3.66 |
| 30) | | Benzo(a)anthracen | 0.788 | 0.824 | 0.810 | 0.844 | 1.003 | 1.049 | 0.886 | 12.48 |
| 31) | | Chrysene | 1.072 | 1.136 | 1.081 | 1.035 | 1.128 | 1.115 | 1.095 | 3.52 |
| 32) | | Bis(2-ethylhexyl) | 0.889 | 0.849 | 0.710 | 0.682 | 0.839 | | 0.794 | 11.56 |
| 33) | | Indeno(1,2,3-cd)p | 0.724 | 0.764 | 0.753 | 0.767 | 0.905 | 0.971 | 0.814 | 12.22 |
| 34) | I | Perylene-d12 | ---------- | ISTD | ---------- | | | | | |
| 35) | | Benzo(b)fluoranth | 0.958 | 1.031 | 1.036 | 1.028 | 1.221 | 1.276 | 1.092 | 11.54 |
| 36) | | Benzo(k)fluoranth | 0.980 | 1.108 | 1.154 | 1.186 | 1.477 | 1.495 | 1.233 | 16.89 |
| 37) | C | Benzo(a)pyrene | 0.761 | 0.821 | 0.818 | 0.849 | 1.085 | | 0.867 | 14.53 |
| 38) | | Dibenzo(a,h)anthr | 0.668 | 0.783 | 0.810 | 0.852 | 1.077 | 1.145 | 0.889 | 20.63 |
| 39) | | Benzo(g,h,i)peryl | 0.837 | 0.928 | 0.902 | 0.912 | 1.095 | 1.141 | 0.969 | 12.43 |

(#) = Out of Range